Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

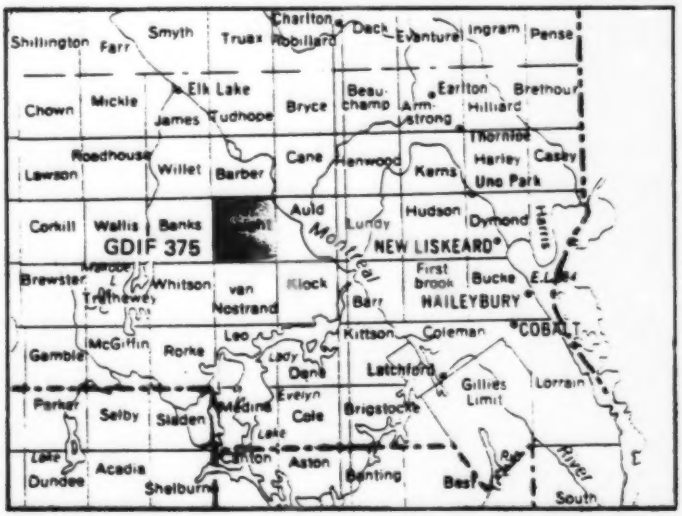
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 375

SPEIGHT TOWNSHIP

DISTRICT OF TIMISKAMING

Compiled by the Staff of
the Resident Geologist's Office
Cobalt



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number
41P/9 and part of 41P/8
Mining Claim Map Number
M-249

This project is part of the Canada-Ontario Mineral Development Agreement (COMDA), which is a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows.

Ontario Geological Survey
1986: Speight Township, District of Timiskaming; Ontario Geological Survey, Geological Data Inventory Folio 375, compiled by the staff of the Resident Geologist's Office, Cobalt 22 pages and 1 map.

Original Compilation by: Patricia Anderson, November 27, 1986.

Date	Page Revised	Revised by

Date	Page Revised	Revised by

SPEIGHT TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map - 1 map

Exploration Data Map - 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	Yes	D.P.A.
3	ODM General Index; 9 Volumes	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.P.A.
6	ODM Industrial Mineral Reports	No	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	No	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	Yes	D.P.A.
14	Author - Subject Articles File	No	D.P.A.
15	Miscellaneous Papers: ODM & OGS	Yes	D.P.A.
16	ODM Geological Circulars: OGS Study Series	No	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	No	D.P.A.
18	ODM – OGS Open File Reports	Yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	No	D.P.A.
22	Theses on File, Cobalt	No	D.P.A.
23	Aerial Photographs on File, Toronto	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . .Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
▲ Co . . . . . Cobalt
▲ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
△ gn. . . . . .Galena
△ gt. . . . . .Garnet
△ goe . . . . . .Goethite
△ Au . . . . . Gold
△ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
▲ hem . . . . . Hematite
△ il . . . . . .Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
▲ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
▲ mag . . . . . Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . .Millerite
△ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
▲ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
△ po . . . . . .Pyrrhotite
△ q . . . . . Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . .Shale
△ sid . . . . . Siderite
△ si . . . . . .Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
▲ sm . . . . . .Smaltite
△ sod. . . . . Sodalite
△ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or listed in Drillhole Summary.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	Moore, William	Ag - major Cu, Co, Ni - minor	T0264		OGS, 1973, GR 106, p. 80 OGS, 1973, Map 2257, Makobe Lake
B.	Munroe Lake	Ag - major Cu, Ni, Co - minor	T-0265		OGS, 1973, GR 106, p. 79-80 OGS, 1973, Map 2257, Makobe Lake Speight Twp. AF, Castlebar Silver & Cobalt Mines Ltd.
C.	Taylor, E.D.	Ag - major Cu, Co, Pb minor	T-0266		ODM, 1915, Annual Report Vol. 25, p. 126 OGS, 1973, Map 2257, Makobe Lake Speight Twp. AF, Castlebar Silver & Cobalt Mines Ltd. Quinlan, G.J. Taylor, E.D.

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
D.	Skull Lake Prospect	Ag, Co		MDC 10, p. 366	ODM, 1907, Annual Report, Vol. 16, pt. 2, p. 127 Speight Twp. AF, Leroy, Sam Stanwick, Steve

SPEIGHT TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Argentium Silver Mines Ltd. (Union Miniere Exploration & Mining Corp. Ltd.) Whitson, Van Nostrand, Speight and Banks Twps. AFRO # 63.2514								69											
2	Castlebar Silver and Cobalt Mines Ltd.	70	70	70	71	70 71														
3	Leroy, Sam							63												
4	Quinlan, G.J. - Taylor claim - actual boundaries uncertain - 15 claims						50													
5	Spencer - main file missing						?	12												

GDIF FORM NO. 2

TYPE OF WORK

Numbers below represent the year in which the work was done; e.g., 68 for 1968.

EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT

	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
6	Stanwick, Steve			70 69	71															
7	Taylor, E.D.			pre 12			15 16 17													

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREE	Initial Dip of Hole DEGREE	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
1a	Castlebar Silver and Cobalt Mines Ltd.	C-71X-1	1971	306	-45	7	70	mag, py, co, cp	Ag, Co
1b		C-71X-2	1971	300	-45	6	80	mag, cp, py	Ag
1c		C-71X-3	1971	300	-45	7	70	mag, py, cp, hem	
2	Stanwick, Steve	SK-1	1970	145	-57	2	108.5	py, cp, cob, sm	Co

GDIF FORM NO. 3

SPEIGHT TOWNSHIP

8 SPEIGHT TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	By Canadian Aero Mineral Surveys Ltd. For Union Miniere Exploration & Mining Corp. Ltd. & Argentium Silver Mines Ltd. AFRO # 63.2514	magnetic using the total magnetic intensity "Flux Gate" saturable core instrument by Gulf Research and Development Co.	250'	N/S	1/16 mile

GDIF FORM NO. 4

SPEIGHT TOWNSHIP

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
2	soil sampling from "B" horizon	hot nitric acid test with determinations by atomic absorption for silver & cobalt	Technical Service Laboratories, Toronto	Speight Twp. AF, Castlebar Silver & Cobalt Mines Ltd.

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No data available as of		November 27, 1986.	

LANDSAT COLOUR PHOTO - NTS 31/M

LS	TR	FR	Date of Imagery	Band	Cycle/Day
2	20	27	13/10/81	C_1	136/10

on file in Cobalt office

GDIF FORM NO.8

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Cobalt

No data available as of November 27, 1986.

ODM GENERAL INDEX SEARCH

Words searched:
Argentium Silver Mines Ltd.
Castlebar Silver & Cobalt Mines Ltd.
Leroy, Sam
Maple Mountain
McKenzie Lake
Mendelssohn Lake
Moore, William
Munroe Lake
Quinlan, G.J.
Skull Lake
Speight Twp.
Spencer
Spray Creek
Stanwick, Steve

Index Volume	Listing:	Report Volume	Part	Page
1	McKenzie Lake, Speight Twp.			
	Silver mining on	*25	1	126
	Mendelssohn Lake, Speight Twp.	*16	2	127
	Skull Lake, Speight Twp.			
	Smaltite, silver	*16	2	127
	Speight Twp., Timiskaming			
	Quartzite - arkose rock	*16	2	121
2	McKenzie Lake, Speight Twp.			
	Gold	*27	1	70
	Silver, See Taylor, S.M.			
	Taylor Silver Mine, McKenzie Lake, Speight Twp.			
	Owner, plant	*26		133
3	Castlebar Silver & Cobalt Mines Ltd.			
	Incorporated	64	1	57
8	Argentium Silver Mines Ltd., Speight Twp., Nipissing District			
	report on Skull Lake property	GR 106		67-68
	Van Nostrand Twp., Timiskaming District			
	report on Bergeron Lake Deposit	GR 106		65
	report on Goldie Lake Deposit	GR 106		67
	report on Niccolite Lake Deposit	GR 106		67

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Taylor, E.D.
Union Miniere Exploration & Mining Corp. Ltd.

Index Volume	Listing:	Report Volume	Part	Page
8	Whitson Twp., Timiskaming District			
	mining property, report on	MRC 10		364-365
	report on Darby Silver Mine	GR 106		66-67
	report on White Reserve Mine	GR 106		68-73
	Maple Mountain Area, Timiskaming, Nipissing & Sudbury Districts			
	see also Maple Mountain operation, Sudbury and Timiskaming Districts			
	base metals/gold/silver	GR 106		90-100
	Geology of the area Report on and maps 2256 to 2260, 1973, by K.D. Card, W.H. McIlwaine & H.D. Meyn	GR 106		
	iron	GR 106		100-109
	silver/cobalt	GR 106		61, 65-89
	uranium	GR 106		110-117
	Maple Mountain Fault			
	Maple Mountain area, Timiskaming District	GR 106		53, 55
	Maple Mountain Operation, Sudbury & Timiskaming Districts			
	summary of field work, 1969 by K.D. Card	MP 32		38-41
	summary of field work, (biogeochem.), 1969, by W.J. Wolfe	MP 32		41-42
	Maple Mountain Syncline			
	Maple Mountain area, Timiskaming District	GR 106		53, 54

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8	McKenzie Lake			
	Speight Twp., Timiskaming District	GR 106		73, 80, 81
	Moore, William			
	Speight Twp., Timiskaming District			
	mining property, report on	GR 106		80
	Munroe Lake Deposit			
	Speight Twp., Timiskaming District			
	mining property, report on	GR 106		79-80
	Skull Lake			
	Maple Mountain area, Timiskaming District	GR 106		51
	Skull Lake Property, Argentium Silver			
	Speight Twp., Timiskaming District	GR 106		67-68
	Taylor Deposit			
	Speight Twp., Timiskaming District			
	mining property, report on	GR 106		81
9	Maple Mountain Area, Nipissing, Sudbury and Timiskaming Districts			
	Report (quaternary) & map 5023 on, 1980 by M.A. Roed	NOTS 89		

* Out of Print

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Pyke, D.R., Ayers, L.D., Innes, D.G.	1973	Timmins-Kirkland Lake Geological Compilation Series, Cochrane, Sudbury and Timiskaming Districts, Ontario	ODM Map 2205	1:253 440
		GEOPHYSICAL MAPS		
	1965	Elk Lake, Ontario NTS 41P/9 and part of 41P/10	GSC Map 1505G	1:63 360
	1965	Lady Evelyn Lake, Ontario NTS 41P/8	GSC Map 1504G	1:63 360
	1970	Gowganda, Ontario, NTS 41P/10	MNR 284G	1:63 360
OGS	1978	Airborne Gamma-Ray Spectrometry Maps and Profiles	OGS Maps P. 80372-80410	1:250 000
Gupta, V.K., Wadge, D.R.	1980	Bouger Gravity and Generalized Geological Map, Temagami-Englehart Area, NTS 31M/W, 41P/E, Districts of Timiskaming, Nipissing and Sudbury	OGS P. 2296	1:100 000
Gupta, V.K., Grant, F.S., Boud, A.	1981	A Gravity Study in North-Central Ontario, Districts of Sudbury, Nipissing and Timiskaming; in Summary of Field Work, 1981, edited by J. Woods et al, Ontario Geological Survey	OGS MP 100	No. 26 pp. 160-169
	1981	Magnetic Anomaly Map, Timiskaming-Kapuskasing Region	GSC Map 1563A	1:1 000 000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS		
Gupta, V.K.	1982	Gravity and Aeromagnetic Studies in North-Central Ontario: A Progress Report; in Summary of Field Work, 1982, edited by J. Wood et al, Ontario Geological Survey	OGS MP 106	No. 24 pp. 165-167
Mansinha, L., Wilkinson, D.A.	1983	Interpretation of Gravity Data from New Liskeard, Ontario; Ontario Geoscience Research Grant Program, Grant No. 109	OGS OFR 5440	
GSC	1984	Sudbury, Ontario and Quebec, IMW NL 16/17, Magnetic Anomaly Map	GSC Map NL 16/17-M	1:1 000 000
		Aeromagnetic Map	MNR Map 7076G	1:253 440
		Earth Physics Branch Gravity Map Series	EPB Maps No. 84 and 134	1:500 000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
	1950	Elk Lake, Ontario, topographic	NTS 41P/NE	1:126 720
	1951	Maple Mountain, Ontario, topographic	NTS 41P/SE	1:126 720
	1976	Lady Evelyn Lake, Ontario, topographic	NTS 41P/8	1:50 000
	1977	Sudbury, Ontario, topographic	NTS 41P	1:250 000
Roed, M.A.	1980	Elk Lake Area, NTS 41P/NE, Timiskaming District, Ontario	NOEGTS 83	
Roed, M.A., Hallett, D.R.		Northern Ontario Engineering Geology Study Data Base Map, Elk Lake	OGS Map 5020	1:100 000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
	1982	Ontario Basic Map Sheets	MNR Maps 20 17 5500 52600 20 17 5600 52600	1:20 000
		Elk Lake, Ontario, topographic	NTS 41P/9	1:50 000
		Speight Township Claim Map	MNR Plan No. M-249	1" 40 chains
		MINERAL POTENTIAL MAPS		
Springer, J.	1977	Ontario Mineral Potential Map, Gogama Sheet and Ville Marie Sheet, Districts of Sudbury and Timiskaming	OGS Map P. 1514	1:250 000
		GEOCHEMICAL		
Wolfe, W.J. et al	1970	Operation Maple Mountain, Whitson and Van Nostrand Twps., Biogeochemical Distribution of Cobalt in Second Year Aspen and Birch Twigs	ODM Map P. 600	1:31 680

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Bell, R.	1873	Report on an Examination of the Country Between Lake Temiskaming and Abitibi	GSC Report of Progress 1872-1873, pt. VI	
Barlow, A.E.	1899	Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets, Comprising Portions of the District of Nipissing Ontario and the County of Pontiac, Quebec	*GSC Annual Report X, pt. 1 *GSC Map 599 *GSC Map 606	 1:253 440 1:253 440
Knight, C.W.	1908	Other Temiskaming Cobalt Areas, Part of Montreal River & Temagami Forest Reserve	*OBM Annual Report, 1907, vol. 16, pt. 2	ch. 3 pp. 117-128
Miller, W.G.	1907	Montreal River and Temagami Forest Reserve	*OBM Map 16f	1:63 360
Collins, W.H.	1917	Onaping Map Area	*GSC Memoir 95 *GSC Map 153A *GSC Map 179A	 1:63 360 1:253 440
McIlwaine, W.H.	1969	Operation Maple Mountain, Speight Township, District of Timiskaming, Ontario	ODM Map P. 573	1:15 840
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Card, K.D., McIlwaine, W.H., Meyn, H.D.	1970	Operation Maple Mountain, Districts of Timiskaming, Nipissing and Sudbury, Ontario	OFR 5050	
	1970	Lady Evelyn Lake	ODM Map P. 585	1:63 360

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
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Wood, J.	1979	Regional Geology of the Cobalt Embayment, Districts of Sudbury, Nipissing and Timiskaming; in Summary of Field Work, 1979, edited by V.G. Milne et al, Ontario Geological Survey	OGS MP 90	No. 18 pp. 79-81
Wood, J.	1980	Regional Geology of the Cobalt Embayment, Districts of Sudbury, Nipissing and Timiskaming; in Summary of Field Work, 1980, edited by V.G. Milne et al, Ontario Geological Survey	OGS MP 96	No. 14 pp. 61-63
Carter, M.W.	1981	Shining Tree Area, Districts of Sudbury and Timiskaming, Ontario	OGS OFR 5346	67 p.
Colvine, A.C.	1981	Reconnaissance of the Lorrain Formation, Northern Cobalt Embayment; in Summary of Field Work, 1981, edited by J. Wood et al, Ontario Geological Survey	OGS MP 100	No. 29 pp. 187-189
Russell, D.J.	1981	The Geology of the Paleozoic Outliers on the Canadian Shield; in Summary of Field Work, 1981, edited by J. Wood et al, Ontario Geological Survey	OGS MP 100	No. 23 pp. 117-120

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Donaldson, J.A. et al	1984	Grant No. 173, Sedimentary Rocks and Stratabound Mineralization in the Cobalt Region; in Geoscience Reserach Grant Program; in Summary of Research 1983-1984, edited by V.G. Milne, Ontario Geological Survey	OGS MP 121	pp. 198-210
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		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
		No data available as of November 27, 1986		
		* Out of Print		

GDIF FORM NO.9

NOTES AND ADDENDA

The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data.

On the maps, only areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

No present producers.

AIR PHOTOS - on file in Toronto

Only 1977 photos are available for viewing at the Public Service Centre, Rm. 1640, Whitney Block.

Photos can also be ordered from here for the years 1946, 1958 and 1970.

Year	Roll	Strip	Photos
1946	208	107	94-100
	208	108	91-98
	208	109	90-96
	206	110	86-90
	206	111	26-32
1958R	121	4721	262-268
1970	25	4724	81-87
	23	4723	169-175
	23	4722	43-50
	44	4721	182-189
1977	1	4724	83-88
	46	4723	87-93
	45	4722	44-49
	45	4721	1-9
1978	14	4725	2-9
	14	4724	47-54
	14	4723	92-100
	07	4722	3-11

GDIF FORM NO.10

BARBER

BANKS

AULD

47°34'30"

80°00'00"

Spring Creek

Munroe Lake

Barber

Barber L.

Thoreteil

Philbrick Lake

Mendelssohn Lake

Schumann Lake

Frederick Lake

Krull Lake

15'00"

2

4

5

7

2

6

3

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 375

(Map 1 of 2)

SPEIGHT TOWNSHIP

DISTRICT OF TIMISKAMING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 375

(Map 1 of 2)

SPEIGHT TOWNSHIP

DISTRICT OF TIMISKAMING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

BANKS

AUULD

VAN NOSTRAND

80°15'00"

47°37'00"

Barber

Barber L

Munroe Lake

Thibrick Lake

Mendelssohn Lake

Schumann Lake

Frederick Lake

East Kidd Lake

Globe L

Little Skull L

Willow Island Cr

Lake

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Rock quarry
- Sand and/or gravel pit

BARBER

BANKS

AULD

47°34'30"

80°09'00"

Spring Creek

Munroe Lake

Spray

Harber

Lake

Haretell L

Philbrick Lake

Barber L

Mendelssohn Lake

Schumann Lake

Frederick

Skull Lake

BARBER

47°34'30"

80°00'00"

AULD

Barber

Munroe

Lake

Spring Creek

Philbrick Lake

Mendelssohn

Lake

Barber L.

Schumann

Lake

Skull Lake

Frederick

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 375

(Map 2 of 2)

SPEIGHT TOWNSHIP

DISTRICT OF TIMISKAMING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number

GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ☐ M — Ground magnetic anomaly
- ☐ VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

BANKS

AULD

Munroe

Lake

Mendelssohn

Lake

Schumann

Lake

Frederick

Lake

East

Kidd

Lake

Globe

L

Skull

Lake

Ag, Co

Little

Skull

L

Willow

Island

Cr

80°15'00"

47°37'00"

VAN NOSTRAND

BANKS

AULD

VAN NOSTRAND

Barber

Horetell

Philbrick Lake

Barber L.

Mendelssohn

Lake

Skull Lake

Little Skull L.

Willow Island Cr.

Frederick Lake

Schumann Lake

East Kidd Lake

Globe L.

80°15'00"

47°37'00"

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 375

(Map 2 of 2)

SPEIGHT TOWNSHIP

DISTRICT OF TIMISKAMING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

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GEOLOGICAL AND MINING SYMBOLS

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- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number